

Directed Reading for
Content Mastery

Section 1 ■ Minerals— Earth's Jewels

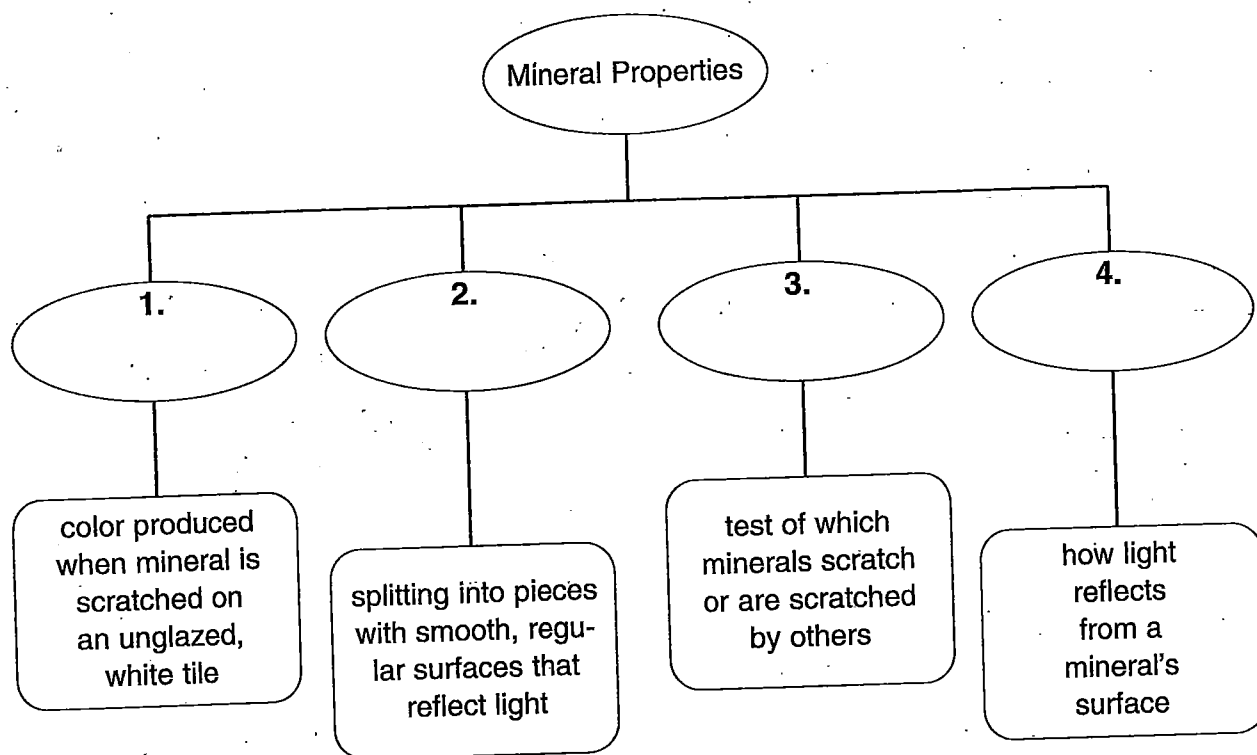
Directions: Use the following terms to complete the concept map below.

luster

streak

cleavage

hardness



Directions: Correctly complete each sentence by underlining the better of the two choices in parentheses.

5. A mineral is an (organic/inorganic) solid material found in nature.
6. A crystal is a solid material with a (random/repeating) pattern of atoms.
7. If a mineral has (streak/cleavage) it will break in pieces with smooth, regular surfaces.
8. A (gem/crystal) is a rare mineral, such as a diamond, that can be cut and polished.
9. A mineral is a(n) (ore/gem) if it contains something useful and can be sold for a profit.
10. (Hardness/Specific gravity) compares the weight of a mineral with the weight of an equal amount of water.
11. (Streak/Luster) describes how light reflects from a mineral.



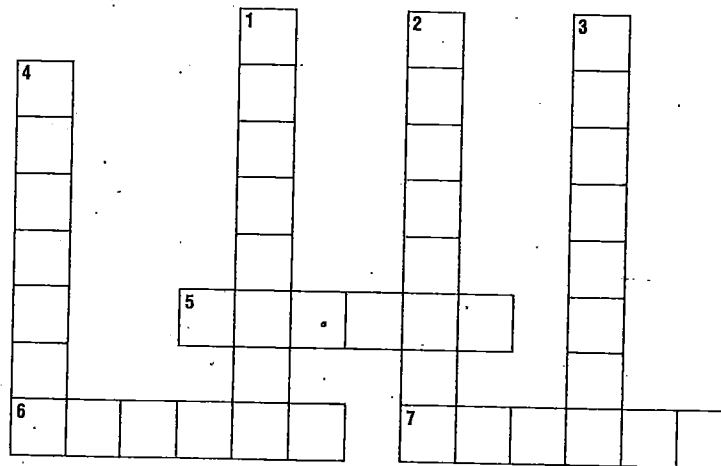
Reinforcement

Minerals—Earth's Jewels

Directions: Complete the following sentences using the correct terms.

1. A(n) _____ is a naturally occurring, inorganic solid with a definite structure and composition.
2. A(n) _____ is usually composed of two or more minerals.
3. A solid with a smooth face, sharp edge, and points is called a(n) _____.
4. A mineral that is rare and can be cut and polished is called a(n) _____.
5. A mineral is called a(n) _____ if it contains something that is useful and sold for a profit.

Directions: Use the clues below to complete the crossword puzzle.



Across

5. Magnetite will attract this
6. How light reflects from a mineral's surface
7. Color of powdered mineral

Down

1. A break with smooth, regular edges
2. The Mohs scale classifies minerals according to this property
3. A break with jagged or rough edges
4. A solid with a repeating pattern of atoms